

**WHAT IS CLAIMED IS:**

1. A heating apparatus in a microwave oven having a means for heating an article, comprising:

a cavity formed inside of a case of the apparatus;

a tray installed inside of the cavity, on which the article to be heated is positioned; and

an oscillating means, connected to the tray, for oscillating the tray.

2. The heating apparatus according to claim 1, wherein the oscillating means is in contact with the tray, and fastened at a predetermined position on the cavity by means of a fixing means.

3. The heating apparatus according to claim 2, wherein the oscillating means is in contact with the tray, and fastened to the case by using a bracket as a fixing means.

4. The heating apparatus according to claim 3, wherein the bracket and the case are fastened to each other by means of a hook-shaped suspender or a coupling of a bolt and a nut.

5. The heating apparatus according to claim 1, wherein the tray inside of the cavity in contact with the oscillating means that generates ultrasonic waves is used as a

medium for transmission of the ultrasonic waves, thereby activating molecular structures of the article to be heated.

6. The heating apparatus according to claim 5, wherein the tray connected to an ultrasonic oscillator transmits ultrasonic waves to the article to be heated so that molecular structures of the article are activated and heating speed applied to the article is uniform at a surface of the article as well as at an inside of the article.

7. A heating apparatus in a microwave oven having a means for heating an article, comprising:

- a cavity formed inside of a case of the apparatus;
- a tray installed inside of the cavity, on which the article to be heated is positioned; and
- an oscillating means connected to the case for oscillating the tray and/or the article to be heated.

8. The heating apparatus according to claim 7, wherein the case and the tray are used as a medium of ultrasonic waves to activate molecular structures of the article to be heated.

9. The heating apparatus according to claim 7, wherein the oscillating means is installed at a predetermined position of the case.